downgrading and declassification

evaluation of the Data Block Reader established:

The device works well.

Three channels (main, stellar, index) for J-3 checked out.

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	SUBJECT: KH-4B Program Information Meeting (PIM)	
	c. Planning to implement DN (duplicate negative) as a "TI" copy on Mission 1103.	
	7. The tape recorders presenting in use in the KH-4B will be discontinued after Mission 1107 of NPIC outlined the Center's use of the recorder data and the advantages provided by it. It was stressed that the tape recorder information had been well received at NPIC.	25X1
25X1	8. camera representatives delivered their ideas on how to improve the performance of the DISIC subsystem. On the terrain this involved changing the system relative aperture to F/6.3. Additional baffling has been incorporated into the stellar camera to improve the imagery. proposed a change in the DISIC binary word to indicate the appropriate mode; dependent or independent. replied that this was a relatively simple and inexpensive	25X1 25X1
25X1	change said the change was being considered and would probably be implemented.	
25X1	9. presented a feasibility study of changing the stereo angle of the panoramic cameras to twenty degrees. The advantage would be a small increase in resolution. The disadvantage is a loss in mensuration accuracy plus high redesign	
25X1	costs at and at AP where all calibration equipment is designed for a thirty degree convergence system. The design did not appear to be any support for this proposal.	
25X1	Company representatives reported that the dual gamma processor would be ready by July or August 1968. It was mentioned that SO-230 (higher speed black and white) does not respond to 3404 dual gamma chemistry as it is now formulated. In the granularity tests, it was reported that at high contrast 3404 was slightly better while at low contrast	
25X1	SO-230 was slightly betterthen put forth suggestions for titling J-3 color products. Present plans call for edge flashing to provide a clear edge for titling. This technique will necessarily interfere with some of the PG dot images.	
25X1	ll. The final presentation was primarily concerned with the programming of the system, orbital maintenance, DMU (Drag Make UP) firings, and the Digital Shift Register Command System.	
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25X1

SUBJECT: KH-4B Program Information Meeting (PIM)

The purpose of the DMU system was stated as providing:

- a. Correction capability for injection dispersions.
- b. Period control to insure longitudinal synchronism between actual and nominal orbit at all latitudes.
  - c. Limited control of perigee over mission lifetime.
- d. Oribt drag-life consistant with H timer and battery lifetimes for low altitude, low period orbits.

The purpose of the Digital Storage Register is to provide increased flexibility in pan camera target selection.

- 12. NPIC was able to clear-up one bit of confusion relating to bicolor photography. Some attendees received the mistaken impression that NPIC reported bicolor photography as being only slightly degraded. What NPIC had said was that there was some degradation in the black and white green filter record compared to the red filter record but there was a great deal of degradation in the bicolor system. ETL expressed considerable interest in bicolor, especially in being able to produce an ortho photograph for bicolor photography generation.
- 13. NPIC representatives in general were pleased with the meeting. We feel that at future PIM meetings TSSG should continue to be represented by at least one individual with a photo science background and one with a photogrammetric background.

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Acting Chief, Photogrammetric Analysis Section NPIC/TSSG/TAD

Attachments:

- A List of Attendees
- B Documents from PIM

	Approved Release 2003/0 <del>6/20 : CIA R</del> DP78B0************************************
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	SUBJECT: KH-4B Program Information Meeting (PIM)
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## DOCUMENTS FROM PIM

CONTROL NUMBER	SUBJECT	ORIGINATOR	
	Agenda for PIM Meeting 7-8 May 1968	Resident Office	
	Status of PG Calibration Data Reduction	ACIC	
	CR-2 Test Evaluation	ETL/AMS	
	J-3 Program Status	Resident Office	
	Effect of UTB on DISIC Product	Resident Office	
	DISIC Status Report		2
	<ul> <li>a. J-3 Vehicle     Disturbance</li> <li>b. Results of UTB     Tests</li> <li>c. J-3 Data Display</li> <li>d. Stereo Angle Change     to 20°</li> <li>e. The DMU System</li> <li>f. The DSR Command     System and Supporting     Computer Software</li> </ul>		
None	Telemetry		
None	Data Block Reader		2
None	Dimensional Distortions in Aerial Duplicates		

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			Attachment B to	25X1
	CONTROL NUMBER	SUBJECT	ORIGINATOR	

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25X1 J-3 Program a. J-3 Lens Configura-

ORIGINATOR

tion b. CR-1 Systems Analysis

CR-2 Systems Analysis c.

PG Calibration d.

e. UTB

f. Cross Track Error Due to Stereo Angle